

1/20

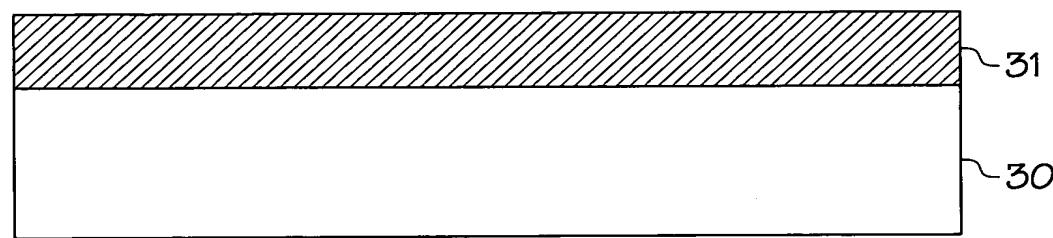


FIG. 1A

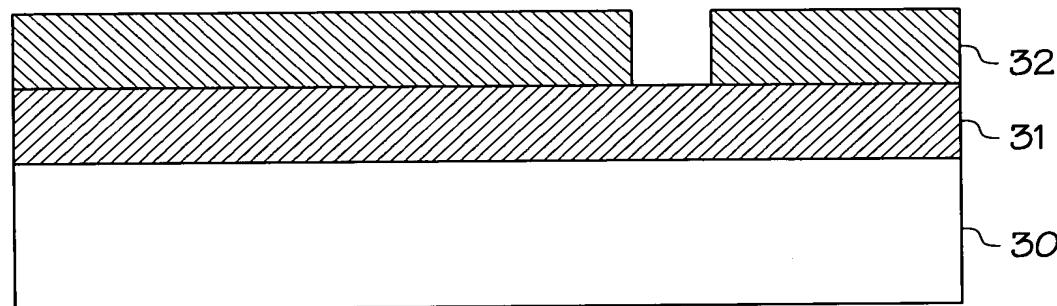


FIG. 1B

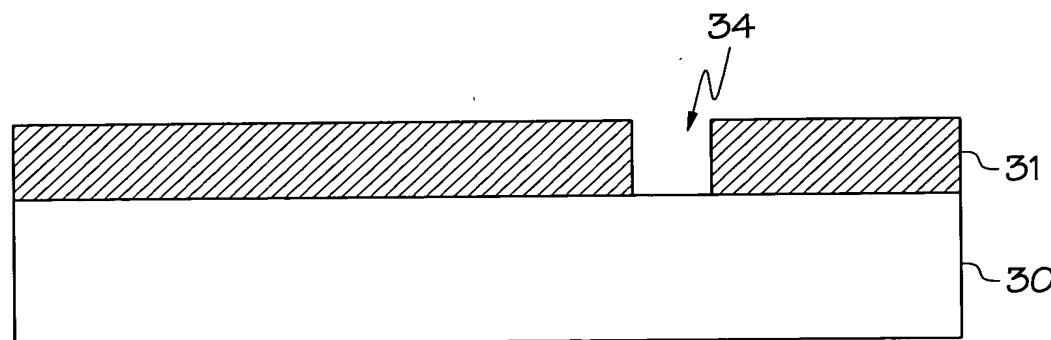


FIG. 1C

2/20

35

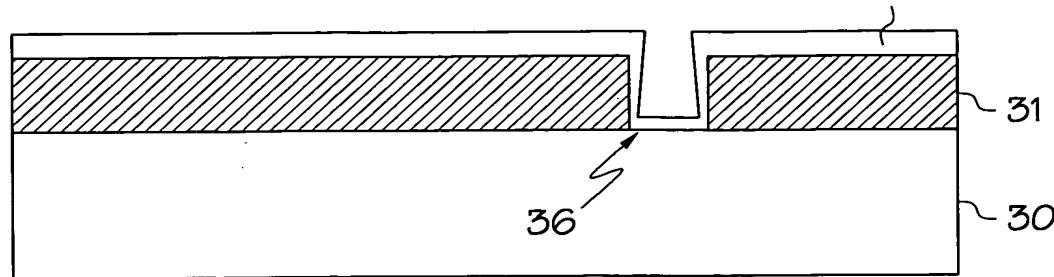


FIG. 1D

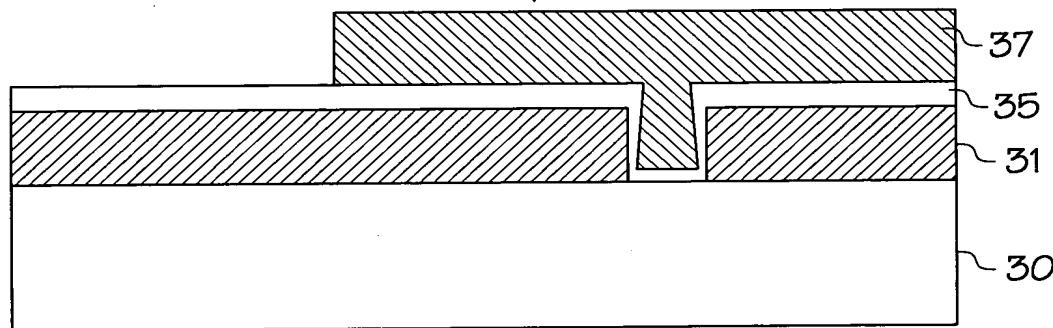


FIG. 1E

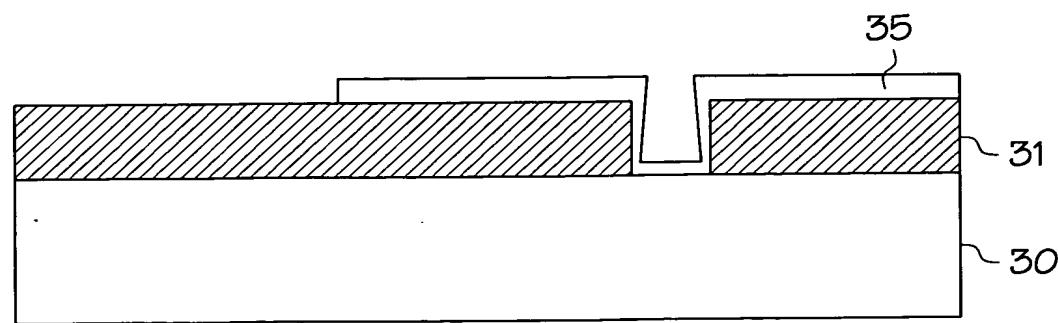


FIG. 1F

3/20

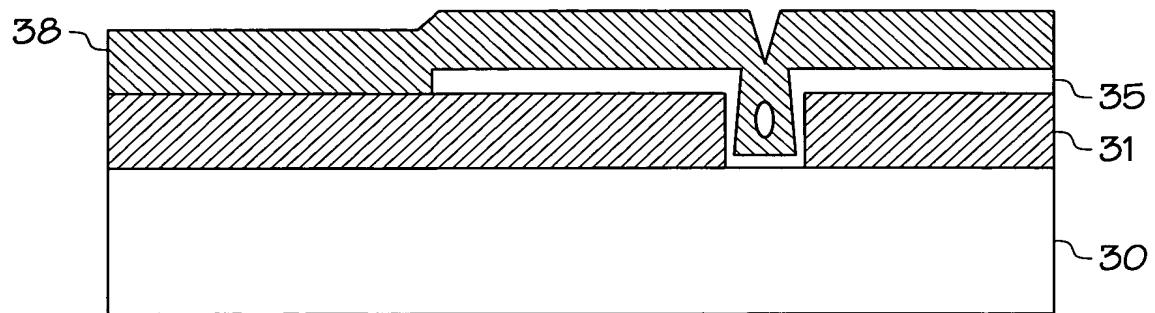


FIG. 1G

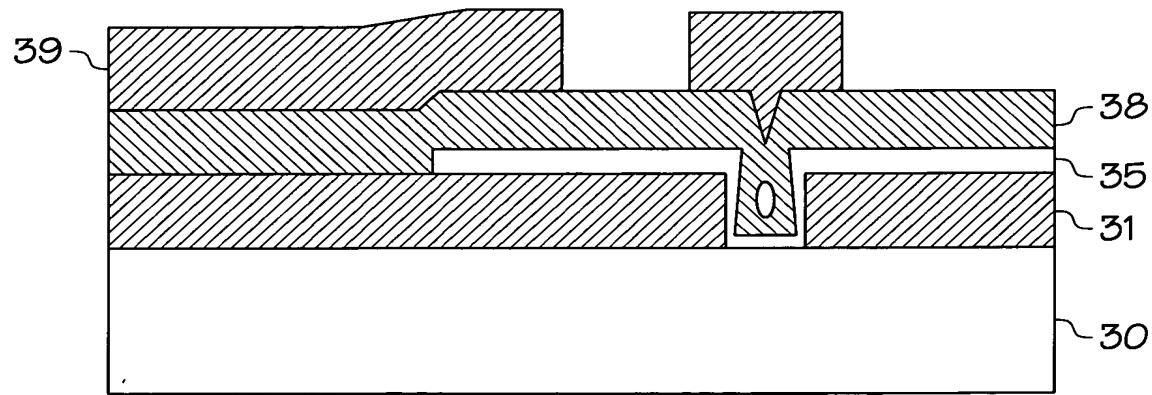


FIG. 1H

4/20

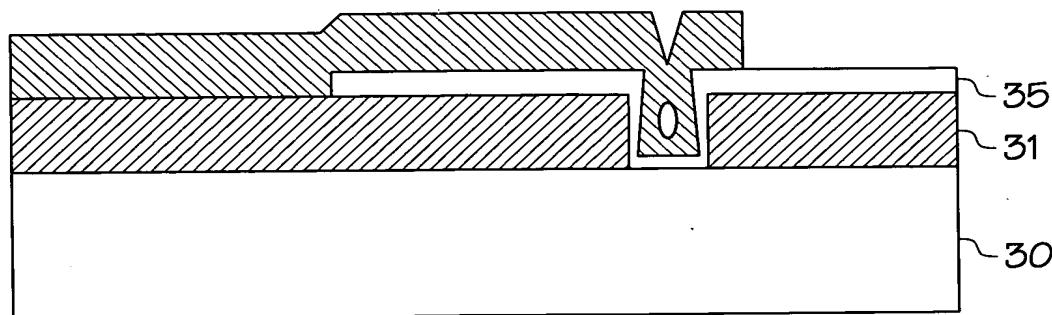


FIG. 1I

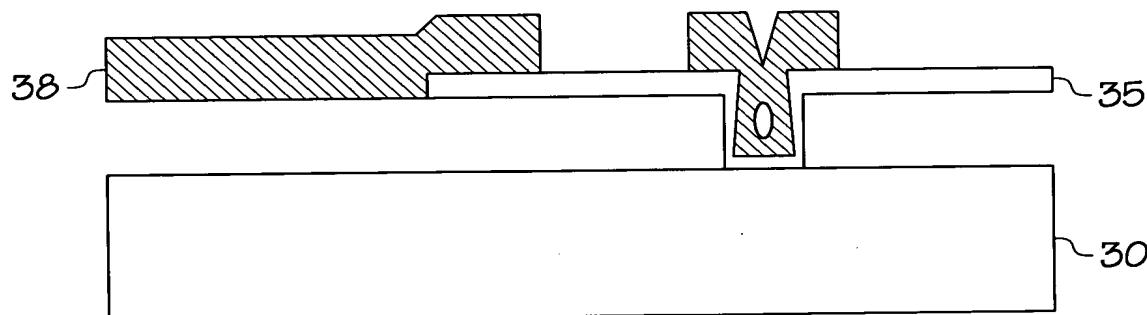


FIG. 1J

APPROVED	O. G. FIG.
BY	CLASS SUPER
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5/20

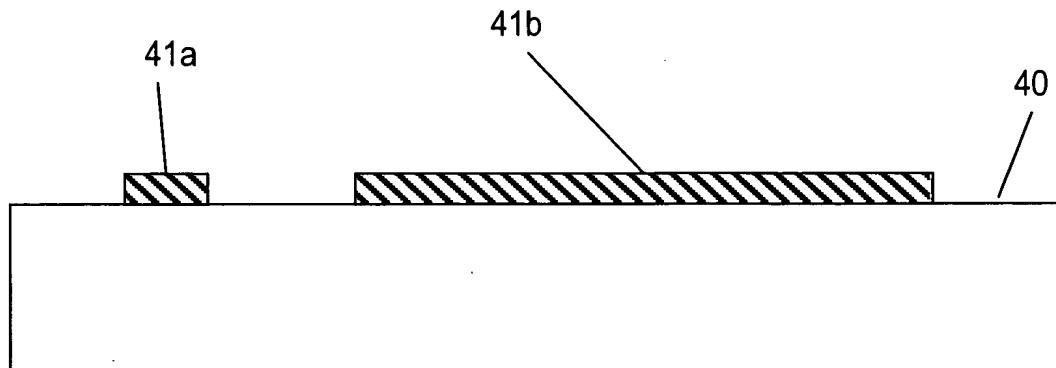


FIG. 2A

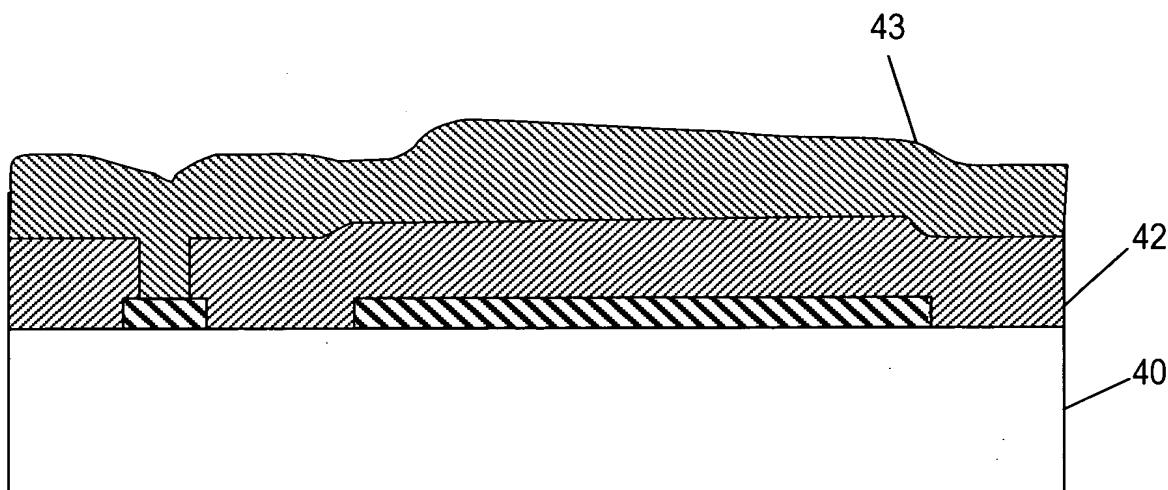


FIG. 2B

APPROVED	O.G. FIG.
BY	CLASS / SUBCLASS
DRAFTSMAN	

6/20

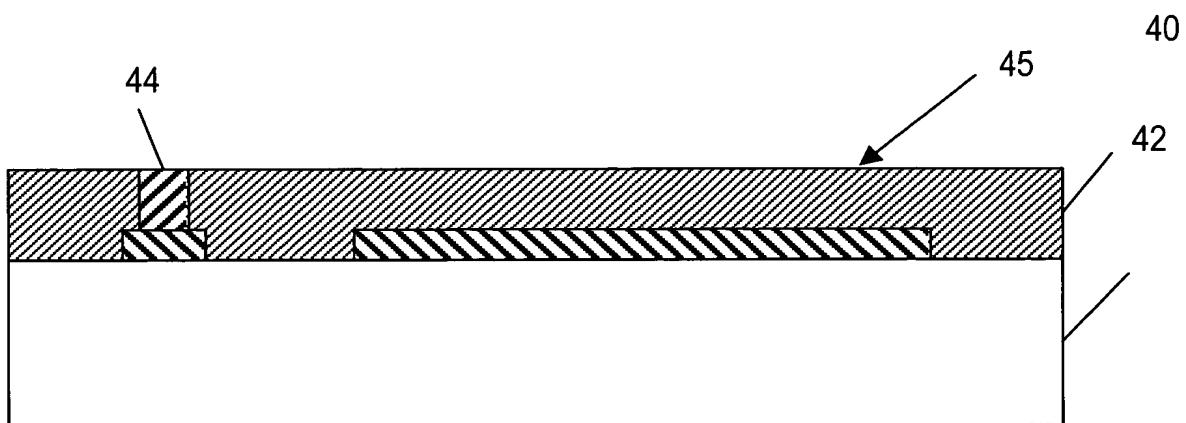


FIG. 2C

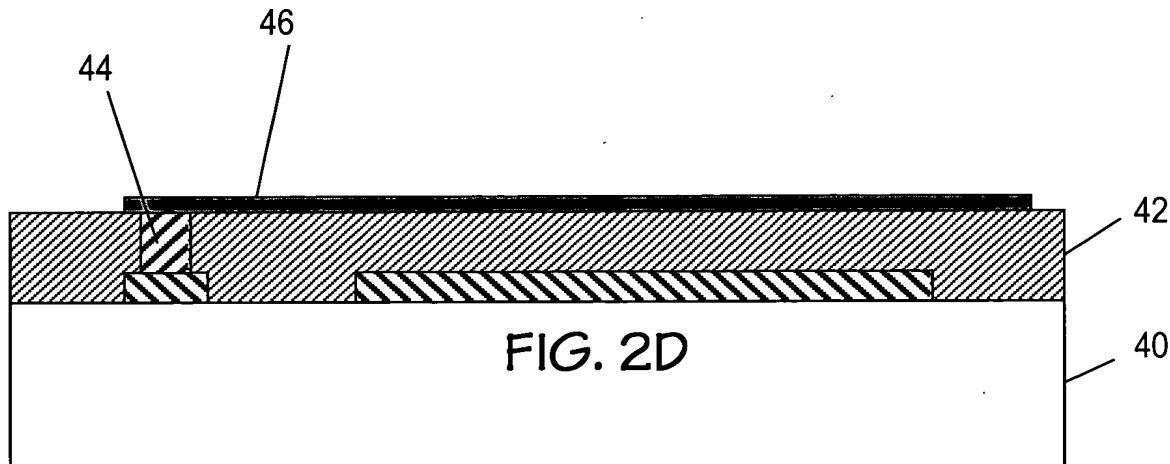


FIG. 2D

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7/20

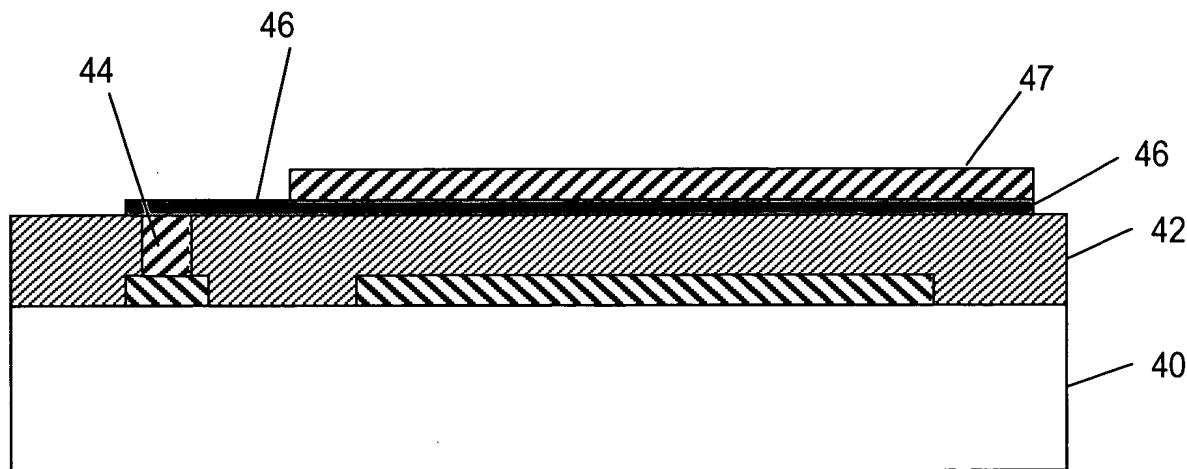


FIG. 2E

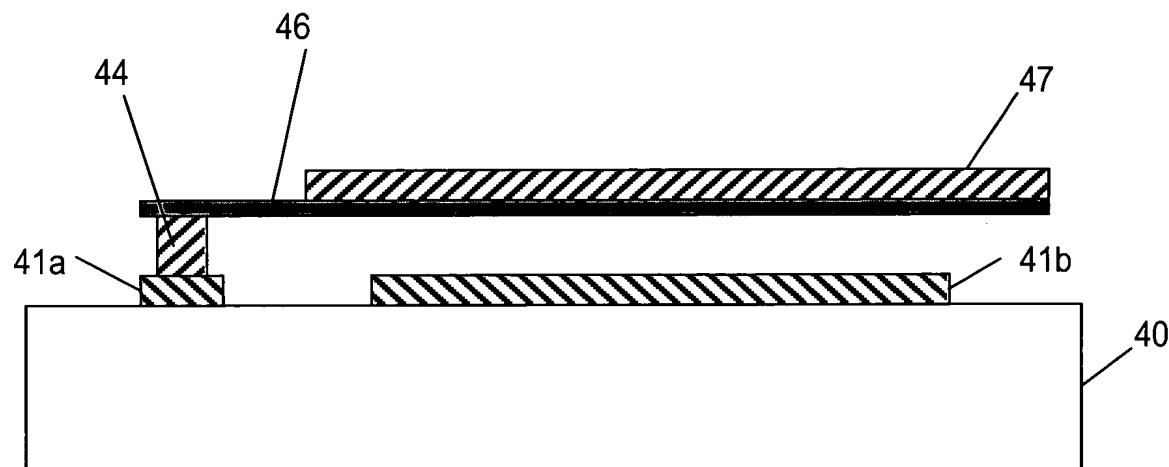


FIG. 2F

8/20

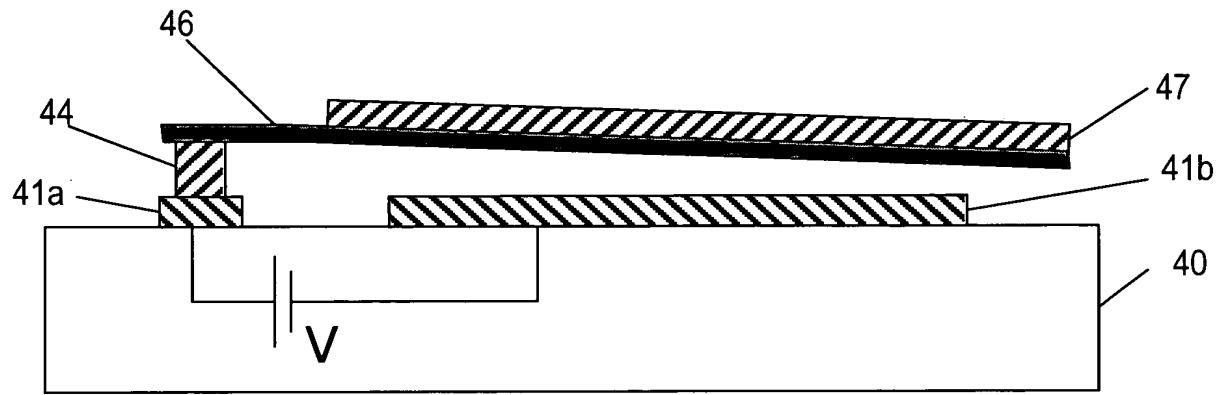


FIG. 2G

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BY	CLASS SUPERVISOR
DRAFTSMAN	

பொது திட்டங்கள் மற்றும் பார்வைகள்

9/20

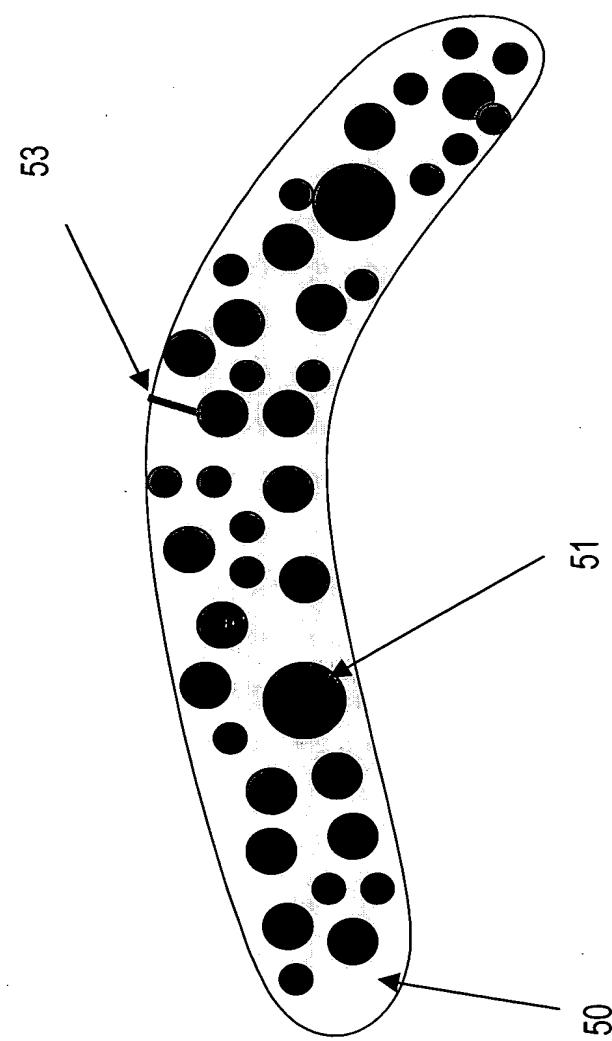
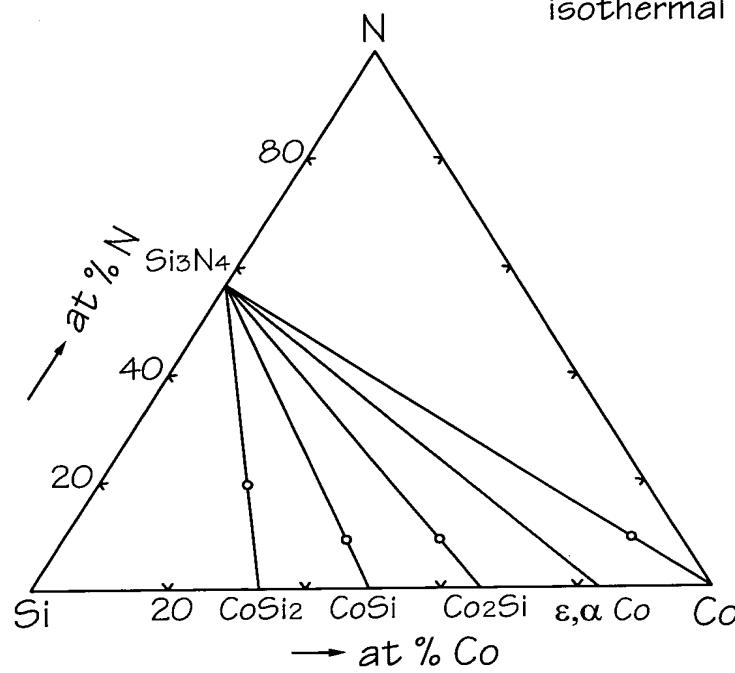


FIG. 3

10/20

Co-Si-N Isothermal Section
at 1000°C

isothermal section 1273 K

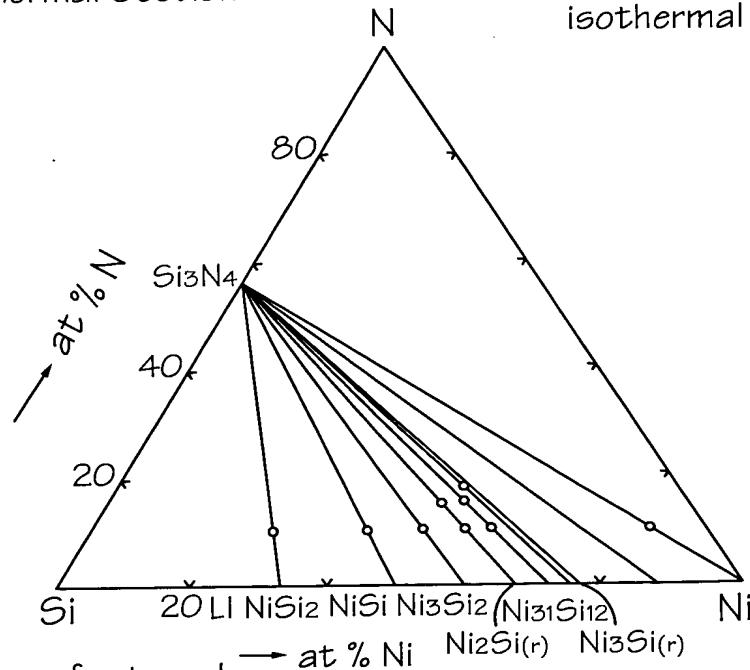


In the absence of external
nitrogen pressure.

FIG. 4A

Ni-Si-N Isothermal Section
at 900°C

isothermal section 1173 K



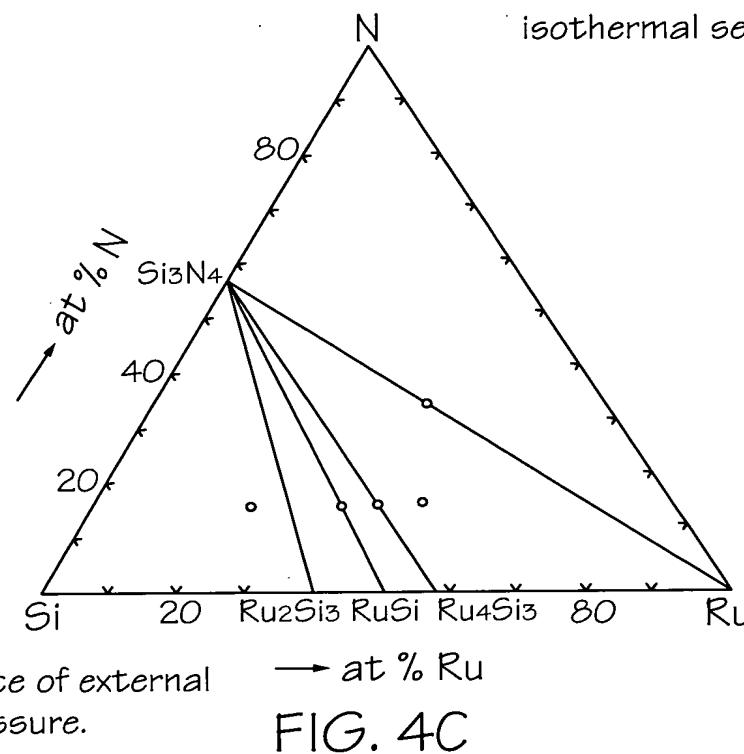
In the absence of external
nitrogen pressure.

FIG. 4B

11/20

Ru-Si-N Isothermal Section
at 1000°C

isothermal section 1273 K



Ag-Si-N Isothermal Section
at 900°C

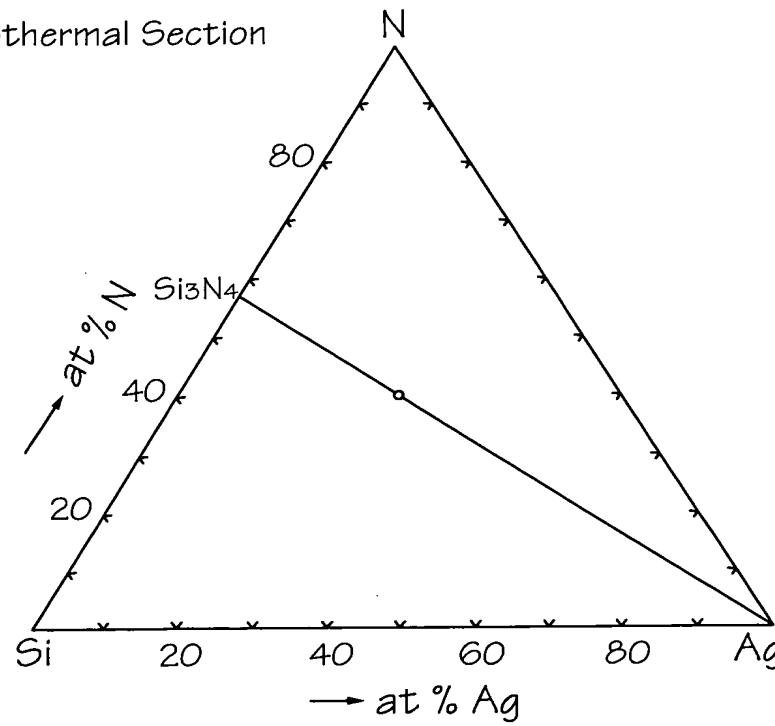


FIG. 4D

12/20

Au-Si-N Isothermal Section
at 900°C

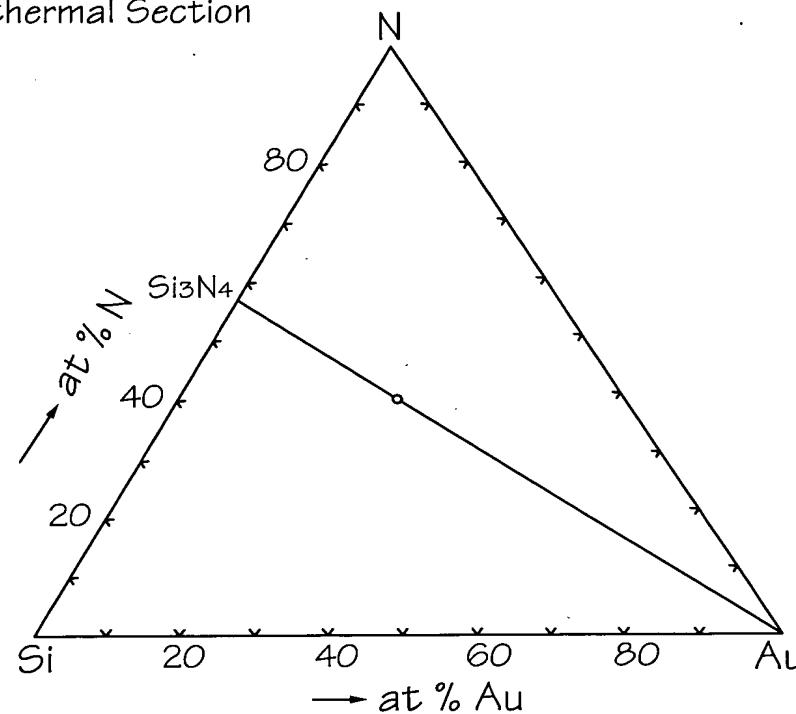


FIG. 4E

Cu-Si-N Isothermal Section
at 700°C

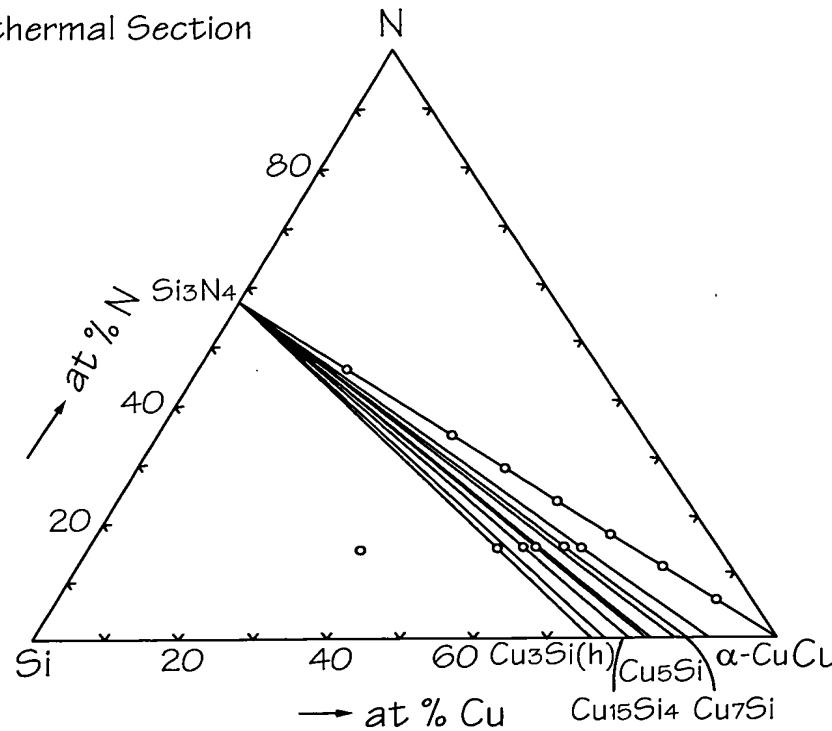


FIG. 4F

13/20

Ag-B-N Isothermal Section
at 800°C

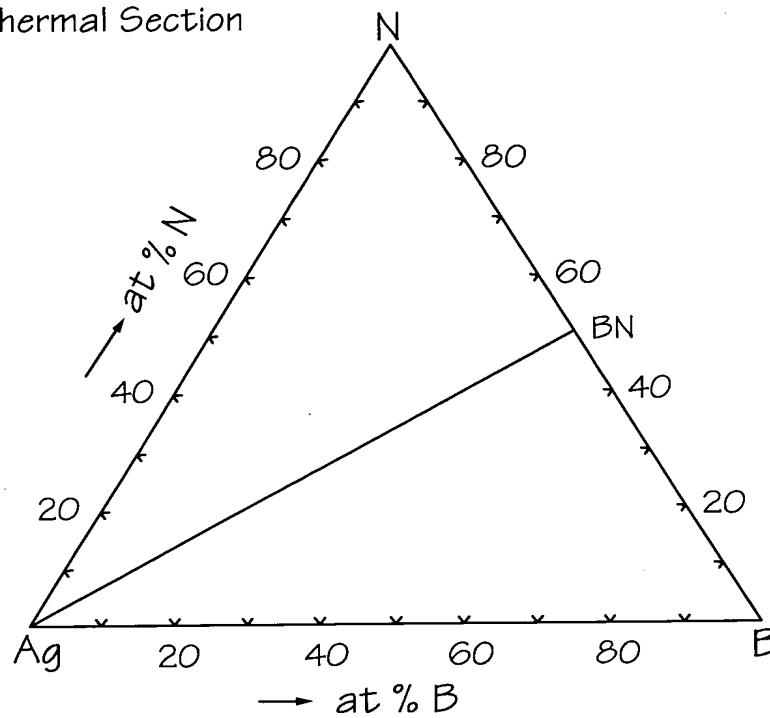


FIG. 4G

Au-B-N Isothermal Section
at 800°C

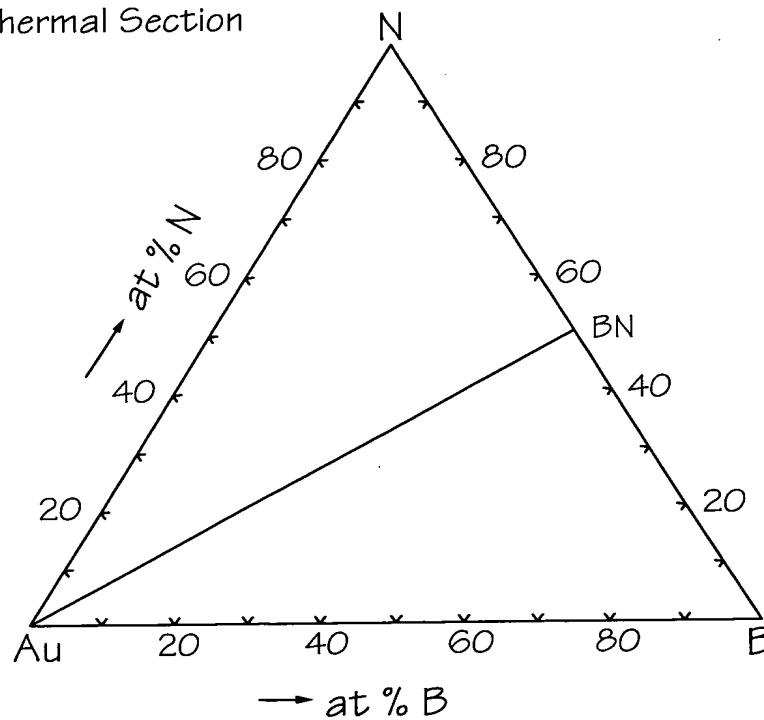


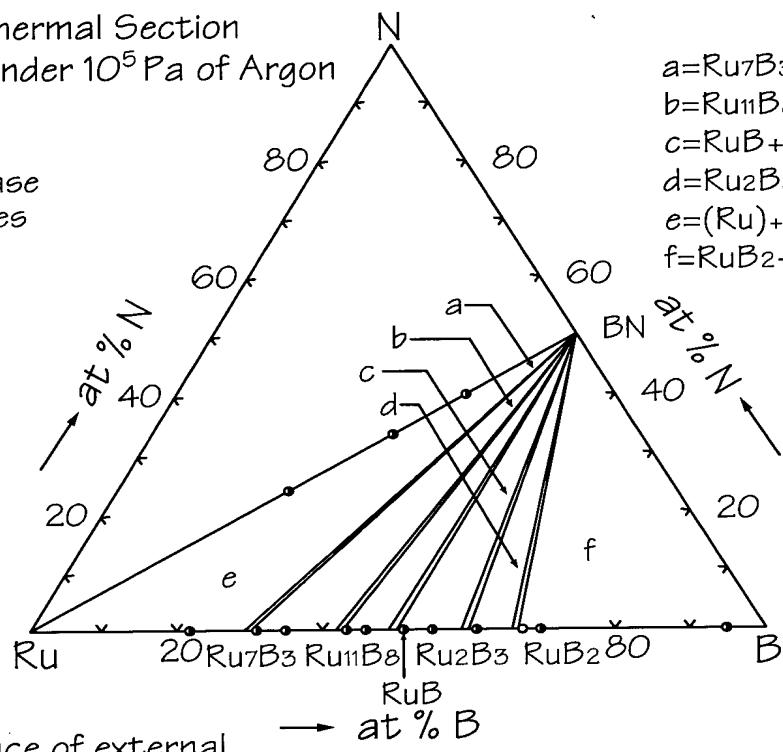
FIG. 4H

14/20

Ru-B-N Isothermal Section
at 1200°C Under 10⁵ Pa of Argon

- single phase
- two phases

- a=Ru₇B₃+Ru₁₁B₈+BN
- b=Ru₁₁B₈+RuB+BN
- c=RuB+Ru₂B₃+BN
- d=Ru₂B₃+RuB₂+(BN)
- e=(Ru)+Ru₇B₃+BN
- f=LuB₂+(B)+BN

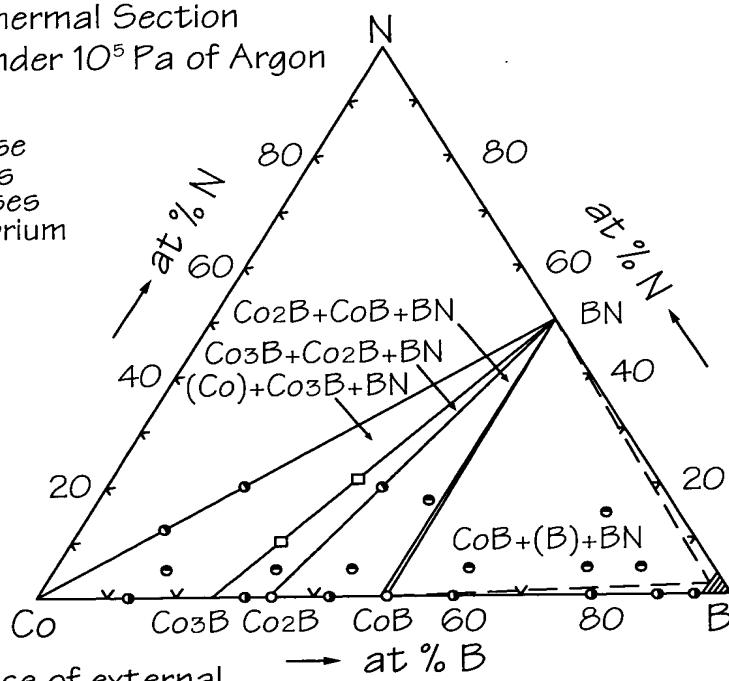


In the absence of external
nitrogen.

FIG. 4I

Co-B-N Isothermal Section
at 900°C Under 10⁵ Pa of Argon

- single phase
- two phases
- three phases
- non-equilibrium
(no Co₃B)

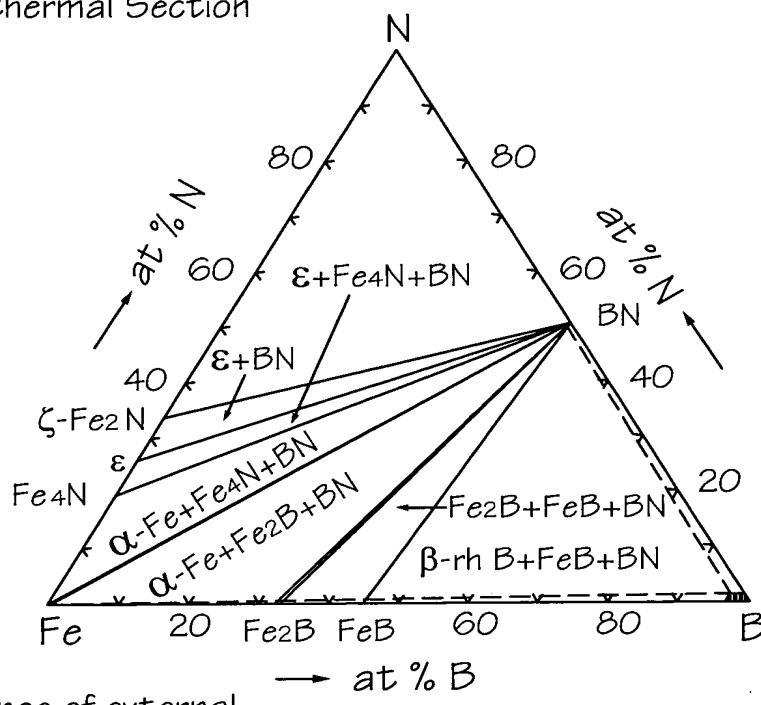


In the absence of external
nitrogen.

FIG. 4J

15/20

Fe-B-N Isothermal Section
at 400°C



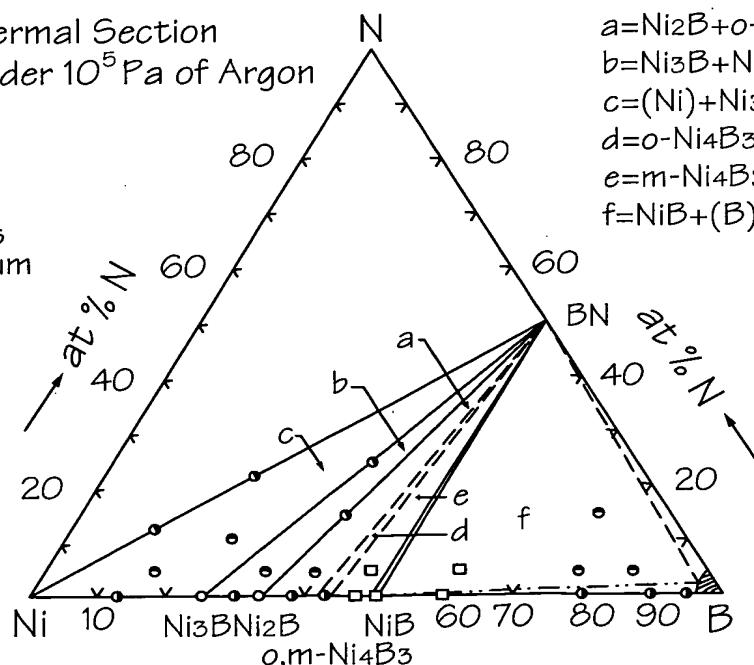
In the absence of external
nitrogen.

FIG. 4K

Ni-B-N Isothermal Section
at 900°C Under 10^5 Pa of Argon

- single phase
- two phases
- three phases
- non-equilibrium

$a = \text{Ni}_2\text{B} + o\text{-Ni}_4\text{B}_3 + \text{BN}$
 $b = \text{Ni}_3\text{B} + \text{Ni}_2\text{B} + \text{BN}$
 $c = (\text{Ni}) + \text{Ni}_3\text{B} + \text{BN}$
 $d = o\text{-Ni}_4\text{B}_3 + m\text{-Ni}_4\text{B}_3 + \text{BN}$
 $e = m\text{-Ni}_4\text{B}_3 + \text{NiB} + \text{BN}$
 $f = \text{NiB} + (B) + \text{BN}$



In the absence of external
nitrogen.

FIG. 4L

APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
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16/20

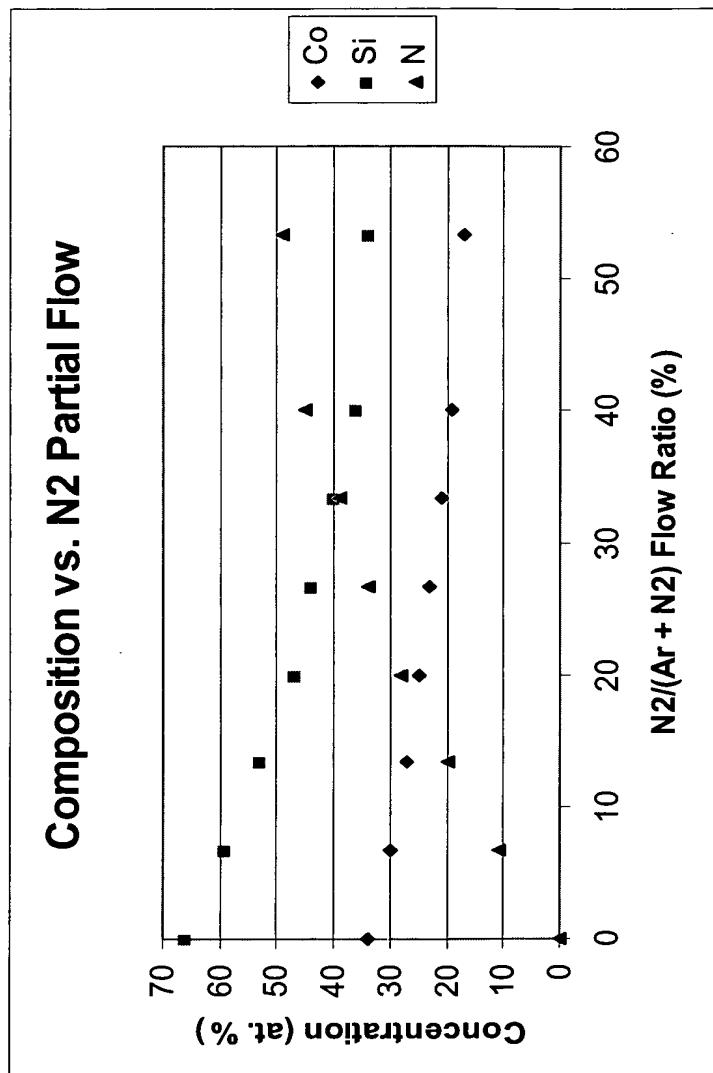


FIG. 5

APPROVED	O.G. FIG.
BY	CLASS SUBCL. S.
DRAFTSMAN	

17/20

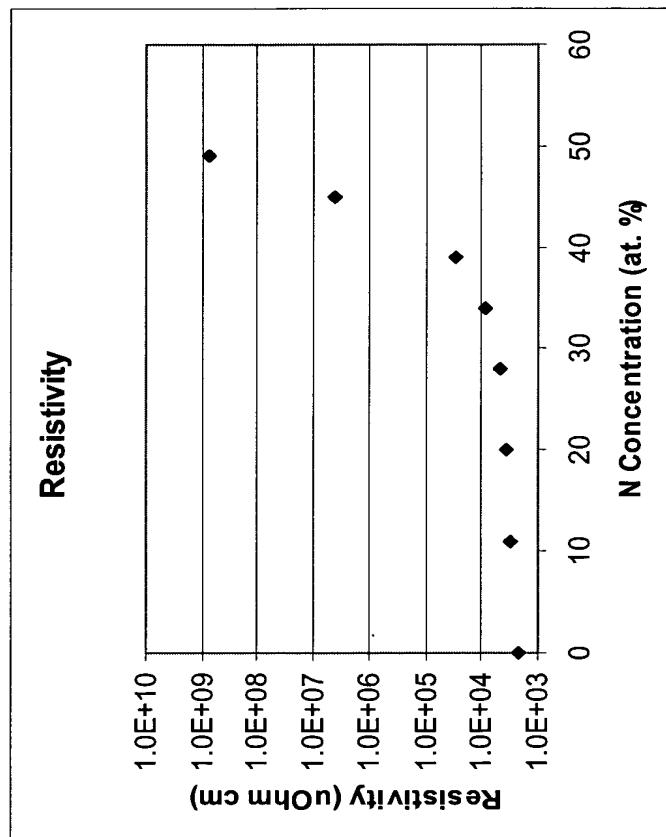


FIG. 6

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

18/20

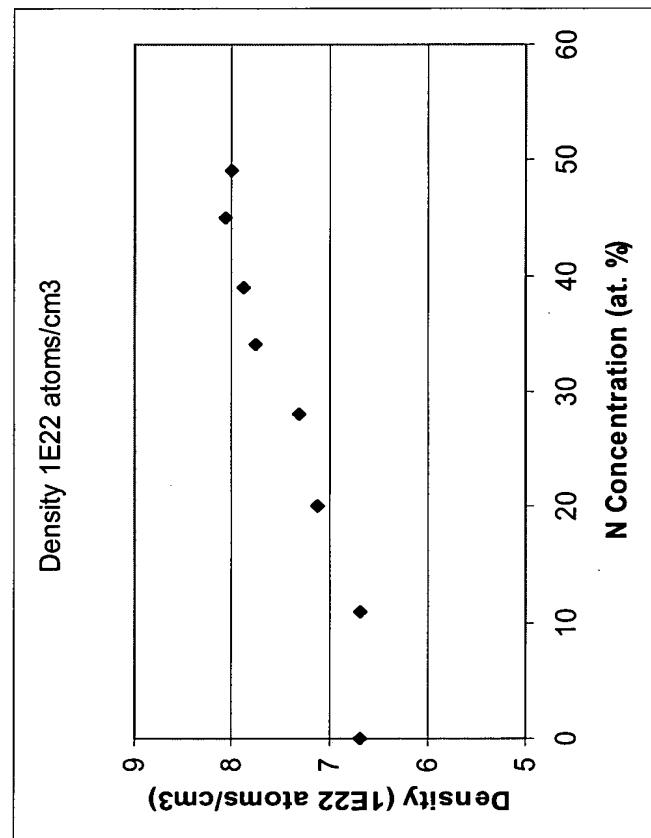


FIG. 7

APPROVED	O.G. FIG.
BY	CLASCI SUBCLASCI
DRAFTSMAN	

19/20

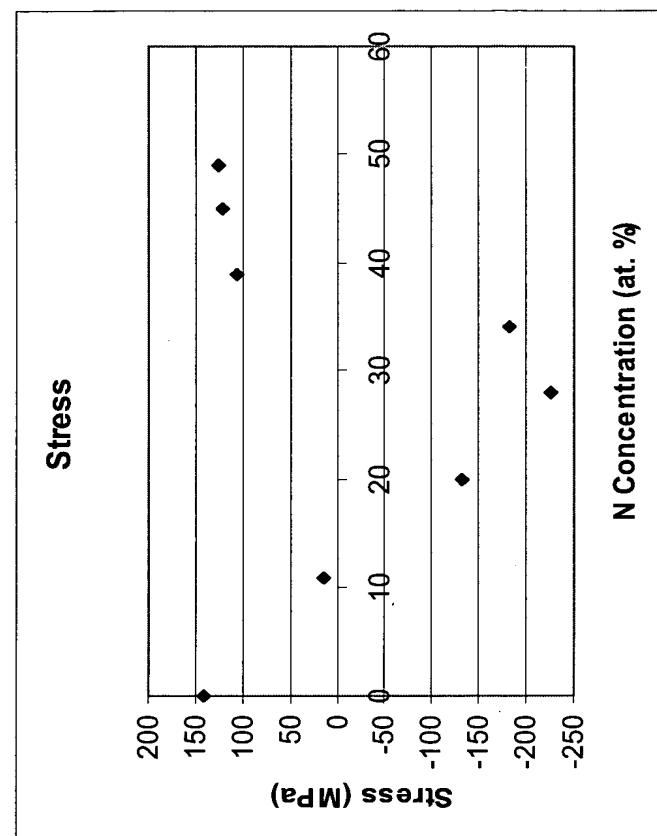


FIG. 8

APPROVAL O.G. FIG.
BY CLASS SUBCLASS
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20/20

	10 sccm	20 sccm	30 sccm
C2 base	200	230	270
CF4 base	133	202	202

